

IOWA

Science and Engineering Profile

	Iowa	U.S.	Rank		Iowa	U.S.	Rank
Doctoral scientists, 1993	3,849	430,332	31	Total R&D performance, 1993 (millions)	\$902	\$161,427	28
Doctoral engineers, 1993	433	81,293	35	Industry R&D, 1993 (millions)	\$533	\$117,622	28
S&E doctorates awarded, 1993	432	25,409	19	Academic R&D, 1993 (millions)	\$299	\$19,489	23
of which, in life sciences	25%	24%		of which, in life sciences	63%	55%	
in engineering	22%	22%		in engineering	17%	16%	
in social sciences	16%	15%		in physical sciences	8%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	544	34,394	22	expenditures, 1993 (millions)	\$2,533	\$163,994	22
S&E graduate students, 1993				Number of SBIR awards, 1990-93	27	13,995	39
in doctorate-granting institutions	5,642	438,128	26	Patents issued to state residents, 1994	394	56,039	31
Population, 1994 (000s)	2,829	260,341	30	Gross state product, 1992 (billions)	\$59.5	\$5,994.1	30
Civilian labor force, 1994 (000s)	1,565	131,013	29	of which, agriculture	7%	2%	
Personal income per capita, 1994	\$20,265	\$21,809	30	manufacturing, mining, construction	26%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures 1994 (millions)	\$12,979	\$1,284,896	32	wholesale and retail trade	16%	16%	
R&D obligations 1993 (millions)	\$216	\$65,394	34	finance, insurance, real estate	16%	18%	
				services	15%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Iowa by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	215,777	30,424	26,812	17,511	136,568	2,881	1,581	34
Department of Agriculture	39,891	24,808	0	150	14,933	0	0	9
Department of Commerce	1,100	0	0	570	530	0	0	33
Department of Defense	29,890	1,245	130	16,082	12,424	9	0	33
Department of Energy	29,397	0	26,682	0	2,715	0	0	21
Dept. of Health & Human Services	83,361	0	0	217	79,723	2,872	549	26
Department of the Interior	4,766	4,371	0	0	356	0	39	42
Department of Transportation	6,827	0	0	0	5,834	0	993	20
Environmental Protection Agency	1,378	0	0	99	1,279	0	0	31
Nat'l Aeronautics & Space Admin.	6,797	0	0	343	6,454	0	0	32
National Science Foundation	12,370	0	0	50	12,320	0	0	30
State rank	34	41	16	40	25	40	38	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.